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ABSTRACT OF
"BASIC PRINCIPLES OF METROLOGY.
PART I, INSTRUCTIONS ON MEASUREMENTS"

By Prof M. F. Malikov

The author systematizes part of the theoretical and experimental data accumulated over the centuries, selecting vital information on basic metrological ideas, clarifying definitions and terminology where necessary, and supplementing such data from his own long experience.

Part I contains instructions on measuring, an analysis of modern ideas on measurement as a process realizable by physical experiment; ideas on scales of magnitude, units and standards of measurements, systems of units, and information on various types of errors. It also describes measuring apparatus and procedures, and the role played by organs of sense.

Part II will continue discussion of standards and units and review the work of Soviet metrologists.

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